

Inventions & Innovation Emerging Technology

Self-Dressing Resistance Welding Electrode

The project is designed to produce an electrode from a unique metal-matrix composite material that employs a ceramic substrate as the load-bearing element and a metal matrix as the conduit for the electric current flow. The project will be carried out in four separate tasks, consisting of material selection, design development and optimization, fabrication and model verification, and performance test and evaluation.



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